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FORM PTO-1449 (Modified)
LIST OF PATENTS AND PUBLICATIONS
FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT
(Use several sheets if necessary)
Sheet 1 of 3

In the Application of Derek O'HAGAN

Serial No.: 09/724,661

Art Unit: ¹⁶⁴⁸ ~~Unassigned~~

Filed: November 28, 2000

Examiner: ~~Unassigned~~ Stucker

Title: USE OF HYALURONIC ACID POLYMERS FOR MUCOSAL DELIVERY OF VACCINE ANTIGENS

U.S. PATENT DOCUMENTS

Exam. Init.	Ref. Desig.	Document No.	Date	Name	Class	Sub Class	Filing Date
<i>js</i>	AA-1	3,891,570	June 24, 1975	Fukushima et al.			
<i>js</i>	AB-1	4,851,521	July 25, 1989	della Valle et al.			
<i>js</i>	AC-1	4,965,353	October 23, 1990	della Valle et al.			
<i>js</i>	AD-1	5,707,644	January 13, 1998	Illum			

FOREIGN PATENT DOCUMENTS

Exam. Init.	Ref. Desig.	Document No.	Publication Date	Country or Patent Office	Class	Sub Class	Translation YES NO
<i>js</i>	AE-1	WO 95/17211	June 29, 1995	PCT			
<i>js</i>	AF-1	WO 96/29998	October 3, 1996	PCT			
<i>js</i>	AG-1	WO 97/07833	March 6, 1997	PCT			
<i>js</i>	AH-1	0216 459 B1	April 1, 1987	EPO			
<i>js</i>	AI-1	0433 133 B1	March 29, 1995	EPO			✓
<i>js</i>	AJ-1	0 517 565 A3	December 9, 1992	EPO			

Examiner:

Jeffrey Stucker

Date Considered:

1/4/02

EXAMINER: Initial if citation considered whether or not the citation conforms with MPEP609. Draw a line through the citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



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In the Application of Derek O'HAGAN

Serial No.: 09/724,661


Art Unit: Unassigned

Filed: November 28, 2000

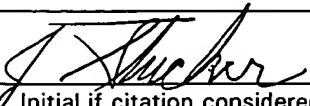
Examiner: Unassigned

Title: USE OF HYALURONIC ACID POLYMERS FOR MUCOSAL DELIVERY OF VACCINE ANTIGENS

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)

Exam. Init.	Ref. Desig.	Description
	AK-1	Benedetti et al., "Microspheres of Hyaluronic Acid Esters-Fabrication Methods and <i>In Vitro</i> Hydrocortisone Release," <i>Journal of Controlled Release</i> <u>13</u> :33-41 (1990)
	AL-1	Cortivo et al., " <i>In Vitro</i> Studies on Biocompatibility of Hyaluronic Acid Esters," <i>Biomaterials</i> <u>12</u> :727-730 (1991)
	AM-1	Ghezzi et al., "Hyaluronane Derivative Microspheres as NGF Delivery Devices: Preparation Methods and <i>In Vitro</i> Release Characterization," <i>International Journal of Pharmaceutics</i> <u>87</u> :21-29 (1992)
	AN-1	Illum et al., "Hyaluronic Acid Ester Microspheres as a Nasal Delivery System for Insulin," <i>Journal of Controlled Release</i> <u>29</u> :133-141 (1994)
	AO-1	Koichiro, "Vaccine for Rhinovaccination," Japanese Abstract Pub. No. 05163161 (1993)
	AP-1	Kyyronen et al., "Methylprednisolone Esters of Hyaluronic Acid in Ophthalmic Drug Delivery: <i>In Vitro</i> and <i>In Vivo</i> Release Studies," <i>International Journal of Pharmaceutics</i> <u>80</u> :161-169 (1992)
	AQ-1	Longenecker et al., "Effects of Sodium Taurodihydrofusidate on Nasal Absorption of Insulin in Sheep," <i>Journal of Pharmaceutical Sciences</i> <u>76</u> (5):351-355 (1987)

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In the Application of Derek O'HAGAN

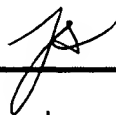

Serial No.: 09/724,661

Art Unit: Unassigned

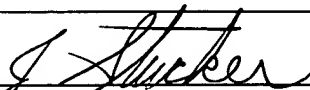
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Title: USE OF HYALURONIC ACID POLYMERS FOR MUCOSAL DELIVERY OF VACCINE ANTIGENS

Exam. Init.	Ref. Desig.	Description
	AR-1	O'Hagan et al., "The Preparation and Characterization of Poly(lactide-co-glycoside) Microparticles: III Microparticle/Polymer Degradation Rates and the <i>In Vitro</i> Release of a Model Protein," <i>International Journal of Pharmaceutics</i> <u>103</u> :37-45 (1994)
	AS-1	Pritchard et al., "Evaluation of the Bioadhesive Properties of Hyaluronan Derivatives: Detachment Weight and Mucociliary Transport Rate Studies," <i>International Journal of Pharmaceutics</i> <u>129</u> :137-145 (1996)
	AT-1	Richardson et al., "Novel Vaginal Delivery Systems for Calcitonin: I. Evaluation of HYAFF/Calcitonin Microspheres in Rats," <i>International Journal of Pharmaceutics</i> <u>115</u> :9-15 (1995)
	AU-1	Richardson et al., "Gamma-Scintigraphy as a Novel Method to Study the Distribution and Retention of Bioadhesive Vaginal Delivery System in Sheep," <i>Journal of Controlled Release</i> <u>42</u> :133-142 (1996)
	AV-1	Sharif and O'Hagan, "A Comparison of Alternative Methods for the Determination of the Levels of Proteins Entrapped in Poly(Lactide-Co-Glycoside) Microparticles," <i>International Journal of Pharmaceutics</i> <u>115</u> :259-263 (1995)

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